

Application No.: 09/885,819
Amendment Dated: January 14, 2005
Reply to Office Action of: December 16, 2004

MAT-8154US

Remarks/Arguments:

Claims 1-28 are pending.

Claims 1-28 have been rejected under 35 U.S.C. §102(e) as being anticipated by Dent (U.S. Patent Application No. 2001/0030581).

Applicant acknowledge with thanks the courtesy shown to their representative by Examiner Deane, Jr. during the telephone interview of January 6, 2005. During the course of the interview, Applicant's representative argued that Applicant's claims recite a feature which is neither disclosed nor suggested by the art of record. Specifically, Applicant's claim 1 recites:

... a non-linear distortion extractor that extracts a non-linear distortion signal by controlling a phase and amplitude of one of (a) output of said main power amplifier and (b) output of said second quadrature modulator and by synthesizing said two signals so that said two signals are in opposite phase...

This is illustrated in Applicant's Figure 1. The non-linear distortion extractor is represented by element 110. The non-linear distortion extractor is described in Applicant's specification on page 6, lines 4-8.

During the course of the interview, Applicant's representative argued that the above feature is neither disclosed nor suggested by the art of record. Applicant's representative understands that the Examiner has agreed. Accordingly, allowance of claim 1 should be forth coming.

Applicant's other independent claims, namely, claims 5, 9, 14, 19 and 24 also recite the above feature. Again, this feature is neither disclose nor suggested by the art of record. Accordingly, these additional independent claims are patentable over the cited art of record.

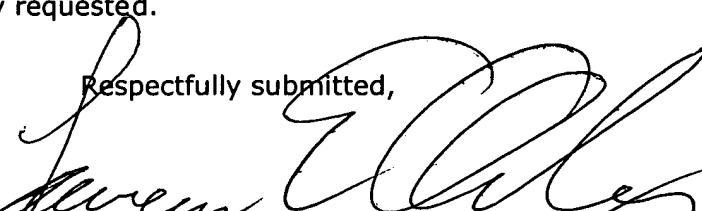
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The remaining dependent claims are patentable by virtue of their dependency on allowable independent claims.

In view of the arguments set forth above, the application is in condition for allowance which action is respectfully requested.

Respectfully submitted,

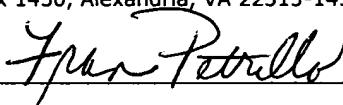

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